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Nixon & Vanderhye 1100 North Glebe Road 8th Floor			1 A AMP at a			
Arlington, VA			COLLINS, DARRYL J.			
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DATE MARRED 18272 # 3

Please find below and or attached an Office communication concerning this application or proceeding.

## Application No. Applicant(s) CHEN CHENG-HUA'. 10/031 485 Office Action Summary Art Unit Examiner 2873 Darryl J Collins - -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION Extensions of time may be available under the provisions of 37 CFR 1 136(a). In no event, however, may a reply be timely filled after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this commutational entire specified above. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U S C § 133) Any reply received by the Ciffice later than three months after the mailing date of this communication, even if timely filled, may reduce any earned patent term adjustment. See 37 CFR 1.704(b) **Status** Responsive to communication(s) filed on 22 January 2002 1)[1] 2b) This action is non-final 2a) This action is FINAL Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213 **Disposition of Claims** 4) Claim(s) 1-14 is/are pending in the application 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration 5) Claim(s) 1 and 4-14 is/are allowed 6) Claim(s) 2 and 3 is/are rejected 7) Claim(s) \_\_\_\_\_ is/are objected to 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement. **Application Papers** 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on \_\_\_\_\_ is/are a) accepted or b) objected to by the Examiner Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner If approved, corrected drawings are required in reply to this Office action 12) ☐ The path or declaration is objected to by the Examiner. Priority under 35 U.S.C. §§ 119 and 120 13) 🗔 Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f) a) ☐ All b) ☐ Some \* c) ☐ None of. 1. Certified copies of the priority documents have been received 2 Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17 2(a)) \* See the attached detailed Office action for a list of the certified copies not received

Attachment(s)

	 Notice of References Cited (PTL) (200
_	 Notice of Draftsperson's Patent Diawing Review PTP (446) Introduction Digital States Long PTP (1444) Paper No. 8, 2
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14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application)

a) The translation of the foreign language provisional application has been received 15) Acknowledgment is made of a claim for domestic priority under 35 U S C §§ 120 and or 121

#### DETAILED ACTION

## Specification

This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required

### Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention

Claims 2 and 3 recite the limitation "the aperture stop" on page 16, lines 11 and 16, respectively. There is insufficient antecedent basis for this limitation in the claim.

#### Allowable Subject Matter

Claims 1 and 4-14 are allowed

either singularly or in combination fails to anticipate or fairly suggest the limitations of the independent claims, in such a manner that a rejection under 35 U S C 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented. Although the prior art teaches a compound lens system for use in an array (see Martin et al. (USPN 6224214 and McLaughlin (USPN 5993003)), the prior art fails to teach a front lens being characterized as having the largest diameter lens in the lens compound and further fails to teach that the exit pupil of the compound lens be bounded by and lies within the plane formed by the front lens surface as claimed in independent claim 1 of the instant invention. In fact Martin et al.

specifically teach away from the exit pupil location. Martin et al teach the exit pupil location (52) as being on the image side of the front lens (49) and not bounded therein

Independent claim 11 is deemed as patentably distinct over the prior art by the examiner as the prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitations of the independent claims, in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. Again the prior art fails to teach the claimed subject matter of the instant invention, in particular the method of designing a compound lens system as claimed in independent claim 11. Because the prior art fails to teach a compound lens system having a front lens having a larger diameter than other lenses in the system and further having an exit pupil bounded by and in the plane of the front lens surface, a prior art rejection of the method for creating the system would be improper as outlined above

Claims 2 and 3 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Darryl J. Collins whose telephone number is 703-308-6476. The examiner can normally be reached on 6.30 - 5.00 Monday - Thursday

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor. Georgia Y. Epps can be reached on 703-308-4883. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7724 for regular communications and 703-308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956

dje

May 19, 2003

Sugarman